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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/842,294	(04/25/2001	Tsung-Shien Chang	0006/0A007	7088
7	7590	02/16/2005		EXAM	INER
Ya-Chiao Chang			DUONG, FRANK		
	outh Wickom Drive estfield, NJ 07090 ART UNIT PAPE		PAPER NUMBER		
·				2666	
				DATE MAILED: 02/16/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	•	Application No.	Applicant(s)
		09/842,294	CHANG, TSUNG-SHIEN
	Office Action Summary	Examiner	Art Unit
		Frank Duong	2666
	The MAILING DATE of this commun	<u>_</u>	ith the correspondence address
Period fo	or Reply		
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUNI nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comme period for reply specified above is less than thirty (3) period for reply is specified above, the maximum stature to reply within the set or extended period for reply reply received by the Office later than three months a ed patent term adjustment. See 37 CFR 1.704(b).	ICATION. of 37 CFR 1.136(a). In no event, however, may a renunication. O) days, a reply within the statutory minimum of thirt atutory period will apply and will expire SIX (6) MON will, by statute, cause the application to become AB	eply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status			
1)⊠	Responsive to communication(s) file	ed on 25 April 2001.	
2a)□	,	2b)⊠ This action is non-final.	
3)		for allowance except for formal matt	ers, prosecution as to the merits is
-,		ce under <i>Ex parte Quayle</i> , 1935 C.D	
Disposit	ion of Claims		
	Claim(s) <u>1-17</u> is/are pending in the a	application.	
7/23	4a) Of the above claim(s) is/a		
5)[汉]	Claim(s) <u>12-17</u> is/are allowed.	To William Hom concluded.	
	Claim(s) 1,2 and 4 is/are rejected.		
	Claim(s) 3 and 5-11 is/are objected	to	
	Claim(s) are subject to restrict		•
		·	
	ion Papers	a Managara	
•	The specification is objected to by the		ated to by the Everiner
10)[The drawing(s) filed on <u>25 April 2001</u>		
		ction to the drawing(s) be held in abeyar	
11)	The oath or declaration is objected to	the correction is required if the drawing	
יייי	The balli of declaration is objected to	by the Examiner. Note the attached	d Office Action of form F10-132.
Priority (under 35 U.S.C. § 119		
12)	Acknowledgment is made of a claim	for foreign priority under 35 U.S.C. §	§ 119(a)-(d) or (f).
a)	☐ All b)☐ Some * c)☐ None of:		
	1. Certified copies of the priority	documents have been received.	
	<u> </u>	documents have been received in A	
		of the priority documents have been	received in this National Stage
	•	onal Bureau (PCT Rule 17.2(a)).	
- 3	See the attached detailed Office action	n for a list of the certified copies not	received.
Attachmen		_	
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (F	, -	Summary (PTO-413) s)/Mail Date

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DETAILED ACTION

1. This Office Action is a response to communications dated 04/25/01. Claims 1-17 are pending in the application.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

2. Claim 1 is rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 5 of U.S. Patent No. 6,804,256. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claimed invention of claim 5 of the instant application encompasses the claimed invention of claim 4 of the patent '256. Evidence can be found through claims comparison. Although the conflicting claims are not identical, they are not patentably distinct from each other because claim 4 of patent '256 teaches essentially the same steps as claim 1 of the current application. Even though claim1 is broadened by omitting certain limitations ("transmitting data ... rejecting .. unavailable"

(recited in claim 1)), it has been held that the omission of an element and its function is an obvious expedient if the remaining elements perform the same function as before. In re Karlson, 136 USPQ 184(CCPA). Also note Ex parte Rainu, 168 USPQ 375 (Bd. App. 1969); omission of a reference element whose function is not needed would be an obvious variation. The addition of limitation "ONU number instructing ... key" is silence in claim 4 of the patent '256. However, this limitation is deemed to be either inherent or obvious to those skilled in the art of Ethernet over Passive Optical Networks. It is inherent and obvious to include this limitation in the OLT frame in order for the ONU to know which one the OLT frame is intended for.

3. Claims 1-2 and 4 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 2 of copending Application No. 09/792,309. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claimed invention of claim 2 of the copending application '309 encompasses the claimed invention of claims 1-2 and 4 of the instant application. The addition of limitation "ONU number instructing ... key" is silence in claim 2 of the copending application '309. However, this limitation is deemed to be either inherent or obvious to those skilled in the art of Ethernet over Passive Optical Networks. It is inherent and obvious to include this limitation in the OLT frame in order for the ONU to know which one the OLT frame is intended for.

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This is a <u>provisional</u> obviousness-type double patenting rejection because the

conflicting claims have not in fact been patented.

Allowable Subject Matter

4. Claims 12-17 are allowed.

5. Claims 3 and 5-11 are objected to as being dependent upon a rejected base claim,

but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

6. The following is an examiner's statement of reasons for allowance: The prior art of

record, considered individually or in combination, fails to fairly show or suggest the

claimed invention of claimed invention of claims 12-17 in a manner set forth as claimed.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

7. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record, considered individually or in combination, fails to fairly or suggest

the claimed invention of base claim 1 and further limit with novel and unobvious

limitations of "an automatic bandwidth adjustment beginning (ABAB); and an automatic

bandwidth adjustment terminating (ABAT)", structurally and functionally interconnected

with other limitations in a manner as recited in claims 3 and 5-11.

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Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lee et al (USP 6,636,527).

Monzawa et al (USP 6,848,053).

Angelopoulos et al, A TDMA Based Access Control Schemes for APON's, IEEE, pages 1095-1103, 1997.

Kramer et al, Ethernet PON (ePON): Design and Analysis of an Optical Access
Network, University of California, Davis, pages 1-25, 2000.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank Duong whose telephone number is (571) 272-3164. The examiner can normally be reached on 7:00AM-3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Frank Duong Examiner Art Unit 2666

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